19980120.ba v01_n884.bam.980120

>From ???@??? Tue Jan 20 12:29:04 1998
Message-Id: <199801201250.GAA12817@sco.theporch.com>
Date: Tue, 20 Jan 1998 06:50:22 CST
Subject: BOATANCHORS digest 1884

BOATANCHORS Digest 1884

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 1) Nuvistor substitute?
 by Charles Ring <charlesr@infonline.net>
 2) BAs FS
 by rlahlum@juno.com (Ross J Lahlum)
 3) Re: PRM-10's dangling 955
 by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
 4) Re: What makes a tube "Zero Bias"
 by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
 5) WTB Transformer
 by Jeffrey Herman <jeffreyh@hawaii.edu>
 6) Re: Pulse Duration Modulation?
 by gwoods@albany.net (Gary Woods)
 7) Fw: Fleas at Flea Market How Could it Happen !
 by "larry W6WUH" <rau@wco.com>
 8) Re: What makes a tube "Zero Bias"
 by Scott Robinson <spr@earthlink.net>
 9) Halli knobs needed
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 10) Collins 32V3 For Sale in Pacific Northwest
 by Liles Garcia <liles@pmc-sierra.bc.ca>
 11) Re: What makes a tube "Zero Bias"
 by Bob Roehrig <broehrig@admin.aurora.edu>
 12) Antique Aircraft Radios Lend /Donate ?
 by "larry W6WUH" <rau@wco.com>
 13) Re: More Nuvistor info
 by "larry W6WUH" <rau@wco.com>
 14) Re: More Modulating SB400-401
 by "larry W6WUH" <rau@wco.com>
 15) R-390 Lovers, you can do it!
 by "Robert Nickels" <ranickel@mwci.net>
 16) Mohawk on Warpath
 by "Don L. Davis" <dxguy@earthlink.net>
 17) Re: question on Katakana Morse code
 by Jerry Proc <jproc@idirect.com>
 18) Re: Antique Aircraft Radios Lend /Donate ?
 by Al Klase <skywaves@bw.webex.net>
 19) Re: What makes a tube "Zero Bias"

by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
20) Excess tubes for sale
by owner-BOATANCHORS
21) Ultra Modulation and DSBSC
by MAB@delphi.com
22) Re: What makes a tube "zero bias"?
by "Arden Allen" <aallen@sirius.com>
23) Bendix RA10 found
by Cosmo224 <Cosmo224@aol.com>
24) Well, I won't do that again..
by "Herbert M. Rosenthal" <herbrose@lobo.net>
25) Collins List
by owner-BOATANCHORS
26) Re: Maryland Swap Meet?
by owner-BOATANCHORS
27) Re: Antique Aircraft Radios Lend /Donate ?
by owner-BOATANCHORS
28) Re: Ultra Modulation and DSBSC
by owner-BOATANCHORS
29) Re Aircraft Radio
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31) Hammarlund Condenser question
by owner-BOATANCHORS
32) Ole Callbooks
by owner-BOATANCHORS
33) R-389 wrap-up
by owner-BOATANCHORS
34) Re; HRO Mods
by owner-BOATANCHORS
35) WTD:EDUCATION MIL TX
by owner-BOATANCHORS
36) RE: PRM-10 GDO
by owner-BOATANCHORS
37) RAS-2
by owner-BOATANCHORS
38) Johnson Valiant Drive Pot
by owner-BOATANCHORS
39) WTD:SPEECH AMP MODS,JOHNSON
by owner-BOATANCHORS
40) Photocopying Old Radio Manuals
by owner-BOATANCHORS
41) Re: Antique Aircraft Radios Lend /Donate ?
by owner-BOATANCHORS
42) RE: QST on CDROM (long)
by owner-BOATANCHORS
43) HP 524C retrieved

by owner-BOATANCHORS
44) T-368
by owner-BOATANCHORS
45) FS Books that need new home
by owner-BOATANCHORS
46) Re: R-389 wrap-up or C607 failure
by owner-BOATANCHORS
47) Surplus Conversion Handbooks FS
by owner-BOATANCHORS
48) FS: Unused Copy of Collins "Log of Amateur Radio Station"
by owner-BOATANCHORS
49) Bendix RA10 found
by owner-BOATANCHORS
50) WTB: Plug for the Electrovoice Model 674 Microphone Body
by owner-BOATANCHORS
51) Racal RA17C schematic needed
by owner-BOATANCHORS
52) Re: T-368
by owner-BOATANCHORS
53) Panel Lettering
by owner-BOATANCHORS
54) Need Hallicrafters Knob!
by owner-BOATANCHORS
55) T-368 Transmitter
by owner-BOATANCHORS
56) Parting out Whirlpool 40" Range
by owner-BOATANCHORS
57) Re: Panel Lettering
by owner-BOATANCHORS
58) Re: What makes a tube "Zero Bias"
by owner-BOATANCHORS
59) Re:Re:Re: HRO Mods
by owner-BOATANCHORS
60) R-390/389/391 C607 & hot 6082's
by owner-BOATANCHORS
61) Nuvistor Reliability
by owner-BOATANCHORS
62) Sweep Tubes-- My Thanks
by owner-BOATANCHORS
63) Collins KW-1 for sale
by owner-BOATANCHORS
64) Re: Panel Lettering
by owner-BOATANCHORS
65) Speaker HELP
by owner-BOATANCHORS
66) Re: Photocopying Old Radio Manuals
by owner-BOATANCHORS
67) Re: Screen AM

by owner-BOATANCHORS
68) Looking for S-38B parts
by owner-BOATANCHORS
69) Re: Speaker HELP
by owner-BOATANCHORS
70) Cunningham tube, was: Re: Looking for S-38B parts
by owner-BOATANCHORS
71) Re: Johnson Valiant Drive Pot
by owner-BOATANCHORS
72) WTB- R-389 LF Receiver
by owner-BOATANCHORS
73) Where to obtain quality terminal strips?
by owner-BOATANCHORS
74) It's QTH.BAFOLKS revision time!
by owner-BOATANCHORS
75) Re: Panel Lettering
by owner-BOATANCHORS
76) wtb Drake B-line
by owner-BOATANCHORS
77) Re Cunningham
by owner-BOATANCHORS
78) Manual needed
by owner-BOATANCHORS
79) Re: Nuvistor Reliability
by owner-BOATANCHORS
80) WTB book
by owner-BOATANCHORS
81) Tektronic Scope FS
by owner-BOATANCHORS
82) Schematics for an old valve set? (fwd)
by owner-BOATANCHORS
83) Did we over design our drivers for tube amplifiers ?
by owner-BOATANCHORS
84) FS: National FB7A
by owner-BOATANCHORS
85) Re: Looking for S-38B parts
by owner-BOATANCHORS
86) BA's In Mesa, AZ Aircraft Museum
by owner-BOATANCHORS
87) looking for an RBA
by owner-BOATANCHORS
88) A couple of wants
by owner-BOATANCHORS
89) Re: New BA's in Titanic
by owner-BOATANCHORS
90) Re: Cunningham
by owner-BOATANCHORS
91) BA Microphone

 by owner-BOATANCHORS
 92) National PW Dial
 by owner-BOATANCHORS
 93) Re: Panel Lettering
 by owner-BOATANCHORS
 94) Re: Cunningham tube, was: Re: Looking for S-38B parts
 by owner-BOATANCHORS
 95) Re:RBZ - What is it ?
 by owner-BOATANCHORS
 96) WTB: EE-65-(*), TL-13A, I-166
 by owner-BOATANCHORS
 97) KW-1 fire sale
 by Brian.Harris@sv.sc.philips.com (Brian Harris)

Date: Sat, 17 Jan 1998 17:40:27 -0500
From: Charles Ring <charlesr@infonline.net>
To: boatanchors@theporch.com
Subject: Nuvistor substitute?
Message-ID: <34C1335B.1DEB@infonline.net>

>
> The problem here is that at the time Nuvistors were in vogue, the
> technology of metal to ceramic bonding was imperfect. As they are used,
> Nuvistor seals don't hold a vacuum well. As the tube goes thru heating and
> cooling cycles, the tube seal gets more and more leaky, admitting gas. As
> the gas content goes up, the filiment oxidizes, slowly flaking away until
> it finally lets go.
>
> I'm hearing that it's relatively rare to find used Nuvistors that are
> usable; possibly one in five is good. They just don't age well.

Probably not, but I'll ask anyway: has anyone ever made a plug-in FET or
whatever substitute for nuvistors? There's plenty of '60's era gear
rendered unusable by nuvistors' unreliability and unavailability.

73 de W3NU, ex-WA8VNU

Date: Sat, 17 Jan 1998 17:01:16 -0600
From: rlahlum@juno.com (Ross J Lahlum)
To: boatanchors@theporch.com, baswaplist@foothill.net
Subject: BAs FS
Message-ID: <19980117.170119.13622.0.rlahlum@juno.com>

Gotta make room for new projects, so I'm offering the following FS:

BC-603 DM $50.00
Appears to be in good condx; has a homebrew outboard ps
mounted in back. Has also apparently had the frequencies
modified, as there are Dymo frequency labels on the front
panel (and the guy I got it from was a retired cop, and told me
set it up for police frequencies). Last time I powered it up
the power supply got rather hot, so there is something wrong
somewhere. Overall very clean, however.

Johnson 275 Watt Matchbox $60.00
Bought from another list member about a year ago, but never got
around to fixing it up. Missing all knobs, but paint looks good.
Looks OK inside.

National NC-173 $150.00
Includes speaker & manual. Slight bit of rust, but overall in
good condition. Works well! Hate to let it go, but I need the room.

73,
Ross KB9JJR
rlahlum@juno.com

Date: Sat, 17 Jan 1998 23:48:38 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: polepeeg <polepeeg@aa4rm.radio.org>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: PRM-10's dangling 955
Message-ID: <199801172348.XAA04267@punt1.hw.ac.uk>

On 1998-01-17 polepeeg@aa4rm.radio.org said:
 po>--------in abstract, u sed------>
 po>don't really understand the nuances of the circuit. For example,
 po>the r.f. oscillator plate is tied to the cathode of the 6005 phase
 po>shift oscillator, with no other connection to the power supply.

I think it's quite usual to use the cathode bias resistor of one valve
as the (low) HT supply point for another. Baffled me for a long time
though. I've also seen (for example) V4 cathode wired directly to
provide the screen voltage for V2. Works fine; saves a fair bit.

Bill

GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Quadrupedante putrem sonitu quatit ungula campum

Net-Tamer V 1.10 - Registered

Date: Sat, 17 Jan 1998 23:48:43 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: aa1hb <aa1hb@juno.com>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: What makes a tube "Zero Bias"
Message-ID: <199801172348.XAA04270@punt1.hw.ac.uk>

On 1998-01-17 aa1hb@juno.com said:
 aa>Keepers of the tube lore -
 aa>I was discussing tubes with a friend last week and he asked me what
 aa>it was about the design of a "zero bias" tube that gave it this
 aa>property (zero plate current at zero grid bias). I was stuck for
 aa>an answer, but I am sure someone here can help.
 aa>73,
 aa>Charlie AA1HB (aa1hb@juno.com)

Winding the grids in such a way that with normal screen voltage and Vg1 = 0, electrons are "shadowed" from the anode. I read that in Scroggie (we used to call it the Bible) only today, looking for a book to help a gent in Ireland who wants to know some of the theory behind the vintage (BC) Rx repairs he's being asked to do lately.

I also read that "Quiescent push-pull" valves usually come as 2 pentodes in 1 bottle, ready balanced, and pentodes rather than tridoes because the quiescent mode of operation wouldn't otherwise allow much gain - but I think it's more to do with the problem of constructing a "zero bias, zero Ia" triode.

My Elmer, incidentally, who's still around and active, used to line up grids for a valve making company in Kent during the early part of WW2; he also had a year or two in the Fleet Air Arm so by the time he was thrown to us as a Physics teacher he knew lots about radio, and how to improvise. Which he duly passed on. I must get him to join Boatanchors.

Bill
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Piscis nequam est nisi recens

Net-Tamer V 1.10 - Registered

Date: Sat, 17 Jan 1998 14:20:28 -1000
From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: Boatanchors List <boatanchors@sco.theporch.com>,
 Boatanchors II <boatanchors@listserv.tempe.gov>
Subject: WTB Transformer
Message-ID: <Pine.GSO.3.95q.980117141931.26512A-100000@uhunix5>

I need a 120vac to 9vac (>700mA) xformer.
Jeff KH2PZ, H0CW

Date: Sun, 18 Jan 1998 00:43:25 GMT
From: gwoods@albany.net (Gary Woods)
To: boatanchors@theporch.com
Subject: Re: Pulse Duration Modulation?
Message-ID: <34cf4e90.778216504@mail.albany.net>

On Sat, 17 Jan 1998 17:23:26 -0500 (EST), you wrote:

> ...One way to get the pulse-width-varying with-AF for PDM is to apply
>triangle waves at the PDM freq to one input of a comparator, and the
>modulating AF to the other; a comparator is really just an op-amp running
>(more or less) without feedback.

You're working much too hard at this; just generate triangles,
superimpose audio on it, and run through a schmidt trigger. One
dual-triode, and you're home free!

If you differentiated that pulse, and took only the positive spike,
you'd get phase modulation AKA Gates' "serrasoid" modulator for FM
broadcast.

You can hear one of those Harris 50KW PWM rigs on 810Kc from WGY
Schenectady, NY across most of the country (and Australia on a good
day!)

For extra kicks, the damper diode in this thing is a dandy!

--
Gary Woods O- K2AHC Public key at www.albany.net/~gwoods, or get 0x1D64A93D via keyserver
gwoods@albany.net gwoods@wrgb.com
fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

Date: Sat, 17 Jan 1998 17:28:00 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Fw: Fleas at Flea Market How Could it Happen !
Message-ID: <199801180130.RAA27896@shell.wco.com>

Captain Larry Rau W6WUH
Occidental California

rau@wco.com
I stand corrected.. this glorified teletype sometimes fails to convey humor tome.. per haps I am getting old...How could that happen !

> From: Robert Nickels <ranickel@mwci.net>
> To: rau@wco.com
> Subject: Re: Fleas at Flea Market How Could it Happen !
> Date: Friday, January 16, 1998 8:50 PM
>
>
>
>
> >er gee.. pardon me if i fail to weep for the guy whose ameco converter
> >didn't 'plug and play".
> >
> >Did you think you were at the Walmart ?
>
> Hi Larry,
>
> I think you may have mis-interpreted Tom's (W9LBB) comments....
>
> He wasn't complaining, and only mentioned the incident in a humorous vein,
> asking the list to recollect some of those "Surprise!" experiences we've all
> had. He's a veteran BA guy and knows the ropes.
>
> The fact that Mike offered to find some replacment tubes is, as you say,
> "above and beyond", and just shows what a stand-up guy he is!
>

> I just felt your comments were a little harsh, especially since Tom was
> poking fun, not griping...
>
> 73, Bob W9RAN
>

Date: Sat, 17 Jan 1998 17:46:43 -0800
From: Scott Robinson <spr@earthlink.net>
To: boatanchors@theporch.com
Subject: Re: What makes a tube "Zero Bias"
Message-ID: <v03007809b0e70e67e1dd@[153.34.139.162]>

Folks,

Bill Jarvis wrote:

"I also read that "Quiescent push-pull" valves usually come as 2 pentodes
in 1 bottle, ready balanced, and pentodes rather than tridoes because
the quiescent mode of operation wouldn't otherwise allow much gain - but
I think it's more to do with the problem of constructing a "zero bias,
zero Ia" triode."

Well, I'll politely disagree with this. The best known such tubes in American usage are the 53/6A6/6N7 series of dual triodes, designed for zero-bias class B service. They have a rather high mu, about 100, which puts the grid quite close to the cathode. In fact, they are the only ones I know of, but that's just my limitation.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

Date: Sat, 17 Jan 1998 19:55:57 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Boatanchors <boatanchors@sco.theporch.com>
Subject: Halli knobs needed

Message-ID: <Pine.ULT.3.96.980117195157.27621A-100000@admin.aurora.edu>

I am looking for two knobs for my S-76. These knobs are the 1950's
variety - about 1 inch dia with about 50 grooves around the side.
The front is flat and recessed about 1/4 inch from the outer edge.
It is about 1 inch long and 7/8 dia. These are like the ones used
on the early S-38's but have the metal skirt. Lots of Hallis used
these but I don't remember which models off hand.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Sat, 17 Jan 1998 18:14:28 -0800 (PST)
From: Liles Garcia <liles@pmc-sierra.bc.ca>
To: boatanchors@theporch.com
Subject: Collins 32V3 For Sale in Pacific Northwest
Message-ID: <Pine.GSO.3.96.980117180158.832A-100000@coquille.pdx.pmc-sierra.bc.ca>

Good evening Fellow Boatanchors,

I am helping a friend price some of his ham equipment for
sale. He has a Collins 32V3 with manual for sale and
since I am not a ham, I do not know what price to put
on his 32V3. If anybody is interested in the transmitter,
I can help out. My friend does not want to ship the
unit, but if anyone wants to buy it, I am willing to
help out by delivering it somewhere reasonable. He
also has a National NC-100XA, National NC-88, National
FB-7 (I need help pricing this one too.), Hallicrafters
S-82, Multi-Eimac AF-67, and CE-10A for sale. Please
give me a hand with the price on the 32V3, and if you
are interested in some of the other items, please let
me know. I am located in Aloha, Oregon which is a
suburb of Portland, Oregon.

Thanks in advance,

Regards from Aloha, Oregon,
Liles Garcia
liles_garcia@pmc-sierra.bc.ca

Date: Sat, 17 Jan 1998 20:47:37 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Scott Robinson <spr@earthlink.net>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: What makes a tube "Zero Bias"
Message-ID: <Pine.ULT.3.96.980117204457.27621F-100000@admin.aurora.edu>

On Sat, 17 Jan 1998, Scott Robinson wrote:

> The best known such tubes in
> American usage are the 53/6A6/6N7 series of dual triodes, designed for
> zero-bias class B service. They have a rather high mu, about 100, which
> puts the grid quite close to the cathode. In fact, they are the only ones
> I know of, but that's just my limitation.

The 811A is a popular transmitting tube and in class B operates without
bias at the lower plate voltages. At higher plate voltages (above 1500
if I remember correctly) a favorite trick is to just rectify the filament
voltage to get -6V for bias.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

Date: Sat, 17 Jan 1998 18:55:31 -0800
From: "larry W6WUH" <rau@wco.com>
To: "boatanchors" <boatanchors@theporch.com>
Subject: Antique Aircraft Radios Lend /Donate ?
Message-ID: <199801180257.SAA16346@shell.wco.com>

I am thinking about getting myself a Masters Degree/Ph.D. in The History
of 20th Century American Technology.
IAnd along the way I am thinking about establishing/curating a Museum of
Aircraft Radios....or integrating a proper collection into an existing
Aircraft museum.

When I visited the huge and propersous Pima Air and Space Museum.. I realized there was virtually no recognition of the paralell development of Radio and Aviation... never mind the synergism of the two in making aircommerce (and unfortunatly) warfare possible.

As a long time radio man and pilot I think I have a good shot at doing this... but....

I don't know a darn thing about early aircraft radio (anything prior to say ARC-5's) !!!

So I need to find:

1. Literature.. tech manuals, articles, photos, schematics..copies, loaners. libraries anything for my own education...from the beginnings up through the coffee-grinder period of the late 40's where I start to know something.

2. Radios...to examine...and to photograph..especially civil aviation radios and very early military sets.

3. Contacts with anyone living who used these radios

4.. Encouragement to commit enough time to see this through...

5. Contacts with collectors who will eventually donate or loan to a non - profit museum.

So.. does anybody have anything on a shelf I should know about ?

Words of Wisdom

the raspberry ?

Larry Rau W6WUH

Date: Sat, 17 Jan 1998 19:05:09 -0800
From: "larry W6WUH" <rau@wco.com>
To: "Thomas A. Adams" <103360.2133@compuserve.com>

Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: More Nuvistor info
Message-ID: <199801180307.TAA18314@shell.wco.com>

tom I have been scolded for not recognizing your humor
sorry about that.... your ideas about ceramic/metal seals are interesting.
are these seals somehow different than the metal to ceramic seals in other
tubes like 4x250B's , which are quite reliable ???

I am trying to remember having ever found a bad nuvistor...and only one
comes to mind.

Luck of the draw.

73

Captain Larry Rau W6WUH
Occidental California

rau@wco.com

Date: Sat, 17 Jan 1998 19:13:56 -0800
From: "larry W6WUH" <rau@wco.com>
To: "Mark Shaum" <mashaum@fcg.net>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: More Modulating SB400-401
Message-ID: <199801180316.TAA20176@shell.wco.com>

Mark's points are well taken.. and of course I goofed the Sb 400/401 has
its own supply...the SB-101 Hw-101's uses the outboard Ps-23 supply.. but
the PA/driver is otherwise quite similar.

I think the 6CL6 can provide adequate drive to saturate the grids in class
C.. but only trying will tell...what does the 'handbook" list as typical
drive requirement in watts for a pair of 6146's in Class C plate modulated
?
Mark suggested maybe running the thing at 75 watts.. and there is nothing
wrong with that.. nobody is going to notice the difference.

Captain Larry Rau W6WUH
Occidental California

rau@wco.com

Date: Sat, 17 Jan 1998 23:18:22 -0600
From: "Robert Nickels" <ranickel@mwci.net>
To: <r-390@qth.net>, "Old Tube Radios" <boatanchors@theporch.com>
Subject: R-390 Lovers, you can do it!
Message-ID: <012301bd23d0$e5865e00$2e8a3ece@default>

Hi All,

This is directed at those, like myself, who think the R-390 series receiver represents the apex of vacuum tube technology, but who who find the thought of working on the mechanical marvel that is the RF deck somewhat daunting...

I've just spent most of the day "under the hood" of my R-389, and I'm reminded of happy Saturdays gone by spent working on my old VW bus! I think my day of "Zen and the Art of Boatanchor Restoration" applies equally to the R-390 or R-390A...

Some list members know that I recently acquired an R-389, which has been the holy grail of BAs for me for many years. I'm extra fortunate that this one is in very good shape, but like most BAs, needed some TLC. Armed with the excellent technical manual and my trusty Bristo wrench, and encouraged by Chuck Rippel's excellent "owners manual" tips, I pulled the engine...er I mean the RF Deck, and did a complete clean and lube job, plus re-synch of a couple of slug racks that were out of whack. I continue to stand in awe of the skill of the designers and the craftsmanship of those who assembled these great radios 45 years ago. I'll admit I wouldn't be as chipper right now had I been facing broken or missing parts or a nasty problem, but its just a joy to bring a piece of quality gear back up to spec, and I'm finding that the smell of Mobil 1 is almost as enticing as solder fumes!

I've always used the term "Gearhead" with great affection for my mechanically-minded brethren, but the boys at Collins offer a reminder that every outstanding product reflects a balance between the electronic and the mechanical. While I'd never put myself in the Chuck Rippel or Rick Mish league, I will say that the average BA hack with basic tools, skills, and patience can do anything he wants to with these radios. I haven't seen it yet, but I'm certain that the R-390 Video would be excellent preparation for the job as well.

And the proof? After cleaning out the dried-up old grease and crud, I can *finger-spin* the tuning knob now! If I can do it, so can you!

73, Bob W9RAN

Date: Sat, 17 Jan 1998 22:26:59 -0800
From: "Don L. Davis" <dxguy@earthlink.net>
To: boatanchors@theporch.com
Subject: Mohawk on Warpath
Message-ID: <34C1A0A2.282C@earthlink.net>

I just started restoration of a Heath Mohawk RX-1. The obvious question: why? It's cute? It's there? I duuno. I do know that I need a manual. Does anyone have a spare copy to sell, or copy? I will gladly pay market price for copy (or copying).

This thing had sat outside in the LA rain for 3 years at a local computer surplus store. I thought it would be trash-heap material, but, it works! Fired it up on the variac and shot a little tuner cleaner on the switch contacts & it actually works in both AM & SSB on all bands! Drifts like crazy, so need to tackle that. I do need a dial pointer and drum, if anyone has a spare or knows where to get them from. Pointer is inexplicably missing, and the drum (a long glass tube about an inch in diameter) has a dime sized chip out of it. Couldn't find the chip in the radio either (hi)!

Any hints or suggestions? Other than professional mental help?

Thanks & 73s

don davis DXGUY@earthlink.net

Date: Sun, 18 Jan 1998 00:10:03 -0500
From: Jerry Proc <jproc@idirect.com>
To: nmcewen@metronet.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: question on Katakana Morse code
Message-ID: <34C18EAB.6EF4@idirect.com>

>
> The Japanese alphabet contains 48 basic characters to which are
> added 4 diacritical marks (characters). This requires about twice as
> many

Thought I would add a bit to this. The Royal Canadian Navy radio operators who manned the electronic warfare rooms in the 1950's and 1960's had to be able to copy Katakana
code at 35 wpm minimum. These men were a separate group and were known as Communciations Supplementary (CS). Most of what they did was sworn to secrecy and based on the few conversations that I've had, I can only

conclude that these folks were creme-de-la-creme of radio operators.

--

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Date: Sun, 18 Jan 1998 01:02:09 -0500
From: Al Klase <skywaves@bw.webex.net>
To: rau@wco.com
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Antique Aircraft Radios Lend /Donate ?
Message-ID: <34C19AE1.ED003831@bw.webex.net>

larry W6WUH wrote:
>
> I am thinking about getting myself a Masters Degree/Ph.D. in The History
> of 20th Century American Technology.

> I don't know a darn thing about early aircraft radio (anything prior to
> say ARC-5's) !!!
>
 Just for starters, visit http://www.maritime.org/wish-chesson.htm, and pick up Fred Chessons SCR/BC/RC files. These are updated versions of the ones published in Vol. 6 of the AWA Review of 1991. He's added dates, so this will provide a starting outline for military airborne equipment back through WW1. I don't think there was much in the way of civil aircraft radio until the A-N ranges were established (late '20's ?) to support air mail service. I also started to search the web for "airmail history" and found some references that were not downloadable.
 Oct. 1930 QST has a thorough discription of the Stromberg-Carlson Model D aircraft receiver in the article "A Multi-Range Receiver With Four Tuned Circuits". This is the obvious basis for the RU/BC-229 which were the perdecessors of the ARC-5 family.

 I hope every little bit helps.

73,
Al
--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822

Web Page: http://www.webex.net/~skywaves/home.htm

Date: Sun, 18 Jan 1998 10:29:41 +2400
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
To: spr <spr@earthlink.net>
Cc: boatanchors <boatanchors@theporch.com>
Subject: Re: What makes a tube "Zero Bias"
Message-ID: <199801181029.KAA04780@punt1.hw.ac.uk>

On 1998-01-18 spr@earthlink.net said:
 sp>Folks,
 sp>Bill Jarvis wrote:
 sp>"I also read that "Quiescent push-pull" valves usually come as 2
 sp>pentodes in 1 bottle, ready balanced, and pentodes rather than
 sp>constructing a "zero bias, zero Ia" triode."
 sp>Well, I'll politely disagree with this. The best known such tubes
 sp>in American usage are the 53/6A6/6N7 series of dual triodes,

Agreed; but they aren't examples of the rarer "zero anode current at
zero bias" tubes, are they? (I ask because I don't know!)

I can sketch how it can be done with more than one grid; but maybe in
the case of a (zero Ia at zero Vg) triode the grid could be wider than a
mere wire? More like a strip? Just guessing.

Bill
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Iti sapis potandi tisa bigone

Net-Tamer V 1.10 - Registered

From: Mike Warren <m_warren@compuserve.com>
Subject: Excess tubes for sale
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199801180821_MC2-2FBE-7AE9@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Gang,

Have finished sorting, counting and boxing my spare tubes and find that I have a few types excess to expected needs. Am offering to sell them to the list under the following conditions:
 =

1. Each tube type will be sold in lots of five only.
2. They are being sold as "Used - tested" ("GO-NO GO" test on emission tester), even though some may be "NOS" or "NIB".
3. I will pay shipping by most economical means (USPS) - add $3.00 to price if you want them priority mail.

the following are $1.00 each - (xx)=3Dquantity available:
6AK5/5654 (10)
6AL5/5726 (15)
6AQ5 (10)
6AU6 (20)
12AU7/5814 (20)

the following are $2.00 each -
6AG7 (5)
12AT7 (5)
12AX7 (5)

If I get multiple requests, I'll draw names from a hat.

73,

Mike Warren - W5MAZ (in MN)
=

Date: Sun, 18 Jan 1998 09:14:54 -0500 (EST)
From: MAB@delphi.com
To: boatanchors@theporch.com
Subject: Ultra Modulation and DSBSC
Message-ID: <01ISIMH6JIC294E1JG@delphi.com>

On 13-JAN-1998, Paul, W9MEH, pmonroe@jadebbs.com wrote:

>Another approach to achieving modulation percentages greater than 100%
>is to use a DSBSC signal with incomplete carrier supression.

...snip...

>A demonstration transmitter was built up but, as far as I know, no
>further application of this concept was ever used.

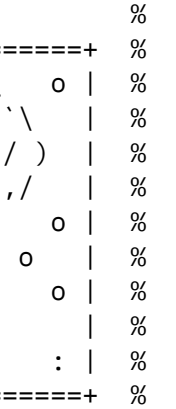
As I remember, at least one, and possibly more, tube-based CB base stations utilized DSBSC modulation (I think they called it DSBRC, ie, "reduced carrier"). The Regency Range-Gain comes to mind, but I'm not sure if this was one of the rigs. Wish I hadn't dumped that 4-drawer file cabinet full of CB service manuals when I moved from Pennsylvania to Massachusetts! Even dumped a complete set of the Sams CB books!! Who know this stuff would become valuable?!

% Michael A. Burke, Synetics Consultants
% PO Box 439, 11 Scenic Dr, Westminster, MA 01473
% 978-874-0908 mab@delphi.com

% Self-confessed service-grade test equipment junkie
% from the 5 years spent chained to a service bench
% at Lafayette Radio, Albany, NY ('63-'68).

% Formerly, "The Hippie City Radio Doctor",
% State College, PA ('73-'79).

% Former Instructor in Comp Sci, Fitchburg State Col. & Tufts Univ.



% Now, just another Urban Computer Cowboy, hackin' those bits!

% RPI('65-BSEE), SUNYA('70-BS/Math/Psych), PSU('72-MS/CompSci)

% 1st tube-1G4, 1st transistor-2N107, 1st kit-Knight Space Spanner

% Westminster is located on the old Mohawk Indian Trail.

Date: Sun, 18 Jan 1998 06:18:58 -0800
From: "Arden Allen" <aallen@sirius.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: What makes a tube "zero bias"?
Message-ID: <199801181417.GAA13253@mail2.sirius.com>

The 813, a pentode, which is not a zero bias type, works well as a zero bias tube when triode connected (grids tied together). Does this help the confusion?

If my understanding is correct, we mean by a zero bias tube, a tube which

operates at "virtual cutoff", i. e., the tube is conducting near the origin of its plate current characteristic curve. That's close enough for class B push-pull operation to avoid crossover distortion in modulators. Works FB for the 811A and 3-500Z linear amplifiers because the bias source, ground, is the ultimate low impedance 'power supply'.

Give your loved ones Gummy Bears.
Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Date: Sun, 18 Jan 1998 09:31:56 EST
From: Cosmo224 <Cosmo224@aol.com>
To: boatanchors@theporch.com
Subject: Bendix RA10 found
Message-ID: <fa2522b1.34c2125e@aol.com>

Greetings all

While driving through Waukegan (IL) last week, I saw a new store called 'A - Z' surplus. It was closed but I peaked through the window - one of the first things I saw was an RDF receiver. Needless to say, I stopped by Saturday to poke around and ended up buying an new - in - box Bendix RA10 receiver and a new control box. Other items seen were more said control boxes, at least three other Bendix receivers - one of which was the LF and 2-6mhz variety. Also bought a control box for my ART13. BTW, the RA10 was $25. Most of the rest of the stuff in there was industrial parts and electronic parts as well as lots of meters and aircraft panel indicators. - Most of this stuff probably came out of auctions.

Is there anywhere I can get info on the RA10? Also a connector cable or at least the connectors? I might have the spline shaft to connect the control box to the set.

I am not in any way affiliated with this store, just passing along an FYI. YMMV!

73 de AA9IL
Mike Kana

Date: Sun, 18 Jan 1998 08:03:56 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
To: BoatAnchors <boatanchors@theporch.com>
Subject: Well, I won't do that again..

Message-ID: <34C219D6.197A@lobo.net>

Last month I offerred to send NE45s for a few bucks. They are $7+ new now. I bought styrofoam and padded envelopes, INCLUDED a SASE for payment, drove to the PO, waited in line, mailed them, and then I waited.

I also posted a note here that explained that I underestimated the supplies cost, and that $4 was closer than $3, but $3 was OK to send. Every recipient sent $4..except for the few of you who sent $5! And some sent none (to date).

Most of the requestors paid me in just a few days; for this I give a public thanks for your speedy response. Good feeling of brotherhood towards a common interest and pursuit..the 'glow', be it a filament or neon :-).

I have just written to the non-respondents, requesting payment. some of them are quite active participants here on BA, and, frankly, I am surprised. I even hesitated to write them..almost embarrassed.

There may be good reasons; perhaps not.

Well, I won't do that again..I guess up front is, unfortunately, the best way.

This message is not intended to flame anyone; if it does, I apologize.
Herb Rosenthal W5AN

From: ALanger394 <ALanger394@aol.com>
Message-ID: <a11e5b0.34c22d1d@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Collins List
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi All

Is there a list similar to Boatanchors that is devoted to Collins Equipment ?

Thank you

Allan

From: gc@cen.com (Gary Chatters)
Message-Id: <9801181750.AA01899@cen.com>

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Maryland Swap Meet?
Cc: boatanchors@theporch.com

>
> Heard some guys on 3885 talking about a small "hamfest" scheduled for
>WEDNESDAY evening (!), 21 Jan in Timonium Maryland. Seems like a
>strange time, but I'll be in the area on business. Anybody have any
>details?
>

This is the annual Baltimore ARC free minifest. It is in the
Exhibit Hall at the Timonium State Fairgrounds. The announcement
says "All hams invited to attend as well as to sell..."

I have never been there myself so can't say what it is like. They have
had it for several years now. Starts at 4PM and "in full swing by 7PM".
Try 146.67 for information.

If you are still around Sunday, Jan. 25, head on over to the
Odenton VFD on route 175, 9 miles east of I-95 for the Maryland Mobileers ARC
hamfest. Talk-in 146.805. Opens 8:00am.

Odenton is south of Baltimore.
This is a very small hamfest but I have seen some intersting BA items
there in the past (e.g., SX-115, R-390).

73,
Gary

Message-ID: <34C241F2.5B3@idirect.com>
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Antique Aircraft Radios Lend /Donate ?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al Klase wrote:
>
> Just for starters, visit http://www.maritime.org/wish-chesson.htm, and
> pick up Fred Chessons SCR/BC/RC files.

Hello Al,

When I try to look at these files with Netscape 3.0, it reports them as

a null file type and proceeds to inform me that there is no 'plug in'
available. Wonder why the Web site can't be set up in 'plain vanilla
format'? Anyone else having this same problem?
Am I missing something here?
--

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

From: polepeeg@aa4rm.radio.org (BA x-actions hr)
Message-Id: <199801181819.NAA26028@aa4rm>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ultra Modulation and DSBSC

Well thanks to that math developement & the 'mis-reading' peak
wattmeter, it's clear what you say is true.

You change the ratio of carrier to sideband energy & you get one of the
effects of super modulation but NO lopsided waveform.

SOUNDS LIKE A GREAT IDEA!!!

 m

Message-Id: <199801181915.OAA21090@smtp1.erols.com>
From: philip mccoy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re Aircraft Radio
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

Would who ever posted a request for information about commercial Aircraft radios
please e-mail me at dgnova@erols.com

My orginal posting seems to have disapeared

Philip McCoy dgnova@erols.com

From: arc5@ix.netcom.com
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <19981181332371146O4@>
Subject: Re: Antique Aircraft Radios Lend /Donate ?

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On 01/18/98 12:54:58 you wrote:
>
>Al Klase wrote:
>>
>> Just for starters, visit http://www.maritime.org/wish-chesson.htm, and
>> pick up Fred Chessons SCR/BC/RC files.
>
>Hello Al,
>
>When I try to look at these files with Netscape 3.0, it reports them as
>a null file type and proceeds to inform me that there is no 'plug in'
>available. Wonder why the Web site can't be set up in 'plain vanilla
>format'? Anyone else having this same problem?
>Am I missing something here?
>--

The files have non-standard extensions, like "ARB.ATB.NAV" which
is interpretted as an unknown ".NAV" file, which is why it's looking
for a plug-in.

The files need to be renamed with standard *.TXT or *.DOC extensions.

My browser allows me to download them and save them with a different name.
VERY worth the trouble, too!

73 Dave AB5S

From: Stanley Wilson <microres@crl.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Hammarlund Condenser question
Message-Id: <Pine.SUN.3.91.980118132421.6896A-100000@crl8.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Looking for the voltage rating of a HDF-140 dual variable capacitor ?
de stan
microres@crl.com

From: JD Delancy <k1zat@dsport.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Ole Callbooks
Message-ID: <Pine.GSO.3.95.980118165438.28640A-100000@puff>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Who has a callbook between 1978 and 1987 that could
give me the data on a WB3IUT ?

jd

Message-ID: <008501bd2460$14a8a960$298a3ece@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R-389 wrap-up
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

Having cleaned the grease off my fingers, I turned to the electrical "alinement" (as the military spells it) of my newly-lubed R-389 today. Someone had tuned the IF about 2 Khz from the crystal frequency, that made a BIG difference, and my 100 Hz fiilter position no longer acts like an attenuator! And the RF section only required tweaking, although I had to re-synch two of the slug racks for some reason.

The only real electrical problem was an interesting one, fortunately it was easy to find. It was the high level of audio hum that caused me to un-rack the receiver in the first place, but it wasn't a bad filter like I've come to suspect. In fact, the whole power supply only uses one 10 uf oil-filled capacitor - but the effectiveness of this filter is increased by the voltage regulator gain. In my case, C-607 was leaky, which ruined the ability of the circuit to cancel out ripple voltage. It was certainly counter-intuitive to me to replace a tiny 100 pf cap and make all the hum disappear! The same regulated P/S is used on the R-389 and R-390, and was a new twist for me - this sure beats re-forming electrolytics!

73, Bob W9RAN

From: Jderm740 <Jderm740@aol.com>
Message-ID: <72a5016.34c283fc@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re; HRO Mods
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Guys

In about a week my wife will be back teaching Adult Ed at night. Then I will have ,available to me, a free copier. Courtesy of the school system. At that time I will make up 12 sets and start mailing them out. So figure on a 2 to 3 week delay. But the price is right.

Jack

Message-Id: <199801182331.RAA27379@sco.theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: DEE ALMQUIST <w4pnt@rica.net>
Subject: WTD:EDUCATION MIL TX

Hello all...
There is a transmitter (ex-millitary) that is called a T-368???? or T-3??? I know nothing about this rig except that it covers part or all of the ham band and uses 4-400s I believe. Am I on the right track? Correct me if I'm wrong. Would like to know about this rig, total discription, who has one(so I can work him on the air), and what one is worth($$)? Thanks for your help.
73
Dee
Patty, KA4EKK & Dee, W4PNT

Patty and Dee's Marina, collectors of Drake, Johnson, Collins, RCA, Hammarlund, homebrew and other heavy metal. ALL HOBBY....WE'RE RETIRED!

(540)249-3161 Fax: (540) 249-5064
Patty & Dee Almquist
534 W. Main St. Waynesboro, Va. 22980

Message-Id: <199801182331.RAA02780@dfw-ix14.ix.netcom.com>
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: RE: PRM-10 GDO
To: Old Tube Radios <boatanchors@theporch.com>

Hi all:

I've also got a PRM-10 meter. Bought it new about 5 years ago at the Foothill swap. One of the surplus dealers had a stack of them still in the mil sealed boxes. $65 if I remember right.

It certainly is rugged. Use the case for a jack stand while working on

your car. The electronics is just as massive. The only thing I did to it was replace the old line cord and metal-shell suicide plug with a modern cord.

It works fine, except the calibration is miles off. It completely misses some of the ham bands. I haven't tried to tune it up, so I don't know if it can be improved.

I also have one of the Millen dippers. It's lighter, easier to use, and the cal is much closer. I use it a lot more than the PRM. (A Humvee is a very rugged automobile, but you wouldn't want to drive it to work everyday.) My two cents, I'd buy a Millen first.

Richard
(PS: Does the National NC-2-40D radio run on diesel fuel like my Mercedes 240D? How do they do that???)

From: DPower1120 <DPower1120@aol.com>
Message-ID: <50bf7c5e.34c29207@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RAS-2
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I am working on a RAS-2 and there is a subchassis plugged in instead of the 6F8 1st audio, avc tube. The number is CKB 50142 and has a 6SN7 and 6SQ7. Marked --Noise peak limiter. Anyone have a diagram of this modifcation?
Don't have a 6F8 or would replace it to see what happens. Tnx
Don K0TNP

Message-Id: <199801182339.RAA10847@mail.minn.net>
From: "John Lockhart" <jlockj@minn.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson Valiant Drive Pot
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I need to replace the "Drive" potentiometer on a Johnson Valiant -
Has anyone used a wire-wound version with good results??

(I'm concerned that the inductance in a wire pot could possibly cause a problem.)

Thanks,

John W0DC

Message-Id: <199801182348.RAA27842@sco.theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: DEE ALMQUIST <w4pnt@rica.net>
Subject: WTD:SPEECH AMP MODS,JOHNSON

Hello again to all...Hope the viruses are leaving you alone,Hi.

Have been doing some Johnson restoration of late (Valiants & Rangers) & wondering who has done homework/expermenting with speech amp improvements for the Valiant? Another friend and I (he also will be on the air soon with a Valiant) were tossing this subject around today. I'm not impressed with the limiter that Johnson engineered originially. The Valiants that I've heard on the air, some sounded ok but some are way undermodulated for the carrier power. And I have found that to drive modulator hard enuf to get 95% (voice) there is also fair amount of over mod on voice peaks(scope display). Note: The first order of restoration I do, after cleanup, is to replace the hi & lo voltage w/new, bigger filter caps to prevent voltage sag. And go thru the audio stages w/new caps. After this is done the audio looks clean on the scope. Modulation looks clean w/tone modulation. Of coarse we could use a outboard studio compressor/expander. This would certainly solve the problem. So what is the best simple answer? All help appreciated.
73
Dee
Patty, KA4EKK & Dee, W4PNT

Patty and Dee's Marina, collectors of Drake, Johnson, Collins, RCA, Hammarlund, homebrew and other heavy metal. ALL HOBBY....WE'RE RETIRED!

(540)249-3161 Fax: (540) 249-5064
Patty & Dee Almquist
534 W. Main St. Waynesboro, Va. 22980

Message-ID: <34C29AA9.8E1@worldnet.att.net>
From: John Dilks <oldradio@worldnet.att.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Photocopying Old Radio Manuals
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

To all, Re: Photocopying Old Radio Manuals

I for one, do not want to buy, or trade for a photocopied manual done at the expense of a school district. I think that discretion here is call for. We can all afford to pay our own way.

73' John Dilks, K2TQN

Webmaster for the Antique Wireless Association
http://www.ggw.org/awa Click on "Page 2"
-=and=-
for the New Jersey Antique Radio Club
http://www.eht.com/oldradio
----------please-visit----------

Message-ID: <34C2AA54.C01@idirect.com>
From: Jerry Proc <jproc@idirect.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
Subject: Re: Antique Aircraft Radios Lend /Donate ?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Al Klase wrote:

>You should be able to click on them and down load them to your system.
> They have funky file name suffixes so windows may vomit on you if you
> try to open them directly, but if you go to your favorite editor, and
> specify "all files" in the "open file" dialog box all should be well.

Hi Al,

Selecting a text editor now allows me to view the files. Thanks for helping to unlock the mystery and to those other folks who also responded. Not everything is intuitive :-)

--

Regards,
Jerry Proc VE3FAB jproc@idirect.com
Web: www3.sympatico.ca/hrc/haida
HMCS HAIDA Naval Museum, Toronto Ontario

Message-ID: <34C2AB9F.8C1@lawrence.ks.us>
From: Bob/WB0AUQ <brainbol@lawrence.ks.us>

MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: QST on CDROM (long)
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All,

There was a brief thread here recently concerning the QSTs on
CDROM, with some pros and some cons. I picked up the 1950-1959
set at the St. Joe (MO) hamfest yesterday. Have played with
the CDs quite a bit and just wanted to throw in my 2 cents:
Am running a Pentium at 166 Mc (MHz doesn't sound correct on
this list), with a 17" monitor and 10X CD drive. Searches are
very fast altho changing discs is a pain (this decade consists
of four discs). Believe a smaller monitor would be a big drawback
but 17" is adequate for viewing. I was a bit anxious about printing
an article due to some comments here and one local friend who reports
his printing is rotten. Well, my HP 560 laserjet does a great job,
altho the pictures are not the greatest. Schematics are very nice,
clear, and perfectly readable. One problem I see no solution to is
the search engine does not correctly report number of pages in an
article. Example: April 1950 issue, Don Mix's article on a beginner's
two-tube transmitter runs six full-size pages but jumps to page 104
for the finish. The search reports six pages found. You can step
thru all six pages and discover "continuted on page 104" on bottom
of the sixth. Well, there ain't no way to get to page 104 without
dumping (closing) the search and using the Toolbar GOTO function.
The function will not work with the search open!

Maybe the folks who wrote the software can come up with a patch
to address this problem. Anyway, so far, so good. Hope there are
no more surprises.....
--
73,

Bob/WB0AUQ AMI #213 FISTS #1905
emailto:brainbol@lawrence.ks.us

Message-Id: <199801190243.SAA11388@mail1.sirius.com>
From: "Arden Allen" <aallen@sirius.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP 524C retrieved
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

At 7:30 this morning I left for King City, a short jaunt of 164 miles in my Rattly Roller (skate), to meet Jim Hill and collect his Hewlett Packard 524D frequency counter. I met Jim and his lovely xYL after they finished square dancing and we had a nice chat as we inspected the fascinating specimen. I haven't gotten up close and personal with one of these counters since 1965. My first experience with frequency counters, as a "tweetie" in the Navy, was the USM-126, the 524 in military garb. With too many tubes to count, this digital frequency meter can count all the way up to 10 Mc. It has a plug-in compartment that can take heterodyne frequency converters which give it up to 510 Mc measurement capability. There are also plug-ins for period, time interval and phase angle measurements. The display consists of eight "digits", each a column of neon bulbs labelled 0 thru 9. Talk about repetitive stress injury, your eyeballs would bob up and down while watching the counting until they slipped their tethers and spun freely. This compact little unit sits 21 inches high and weighs in at a handy 118 lbs. That works for my yacht. Way back then I developed an abiding affection for this science-fiction-come-true marvel because I soon learned how tender these counters really were. They suffered from "sleeping sickness". It took quite a bit of coaxing to get the decimal counting units, each with four dual triode flip-flops, to count reliably. The trick to keeping the counters "awake" was to keep 'em counting. You did this by simply running the counter in self check mode whenever you were not actually measuring a frequency. Do you think I could train my shipmates to attend to this little duty? "How come this *&^%$#@ counter don't count?" would come the compalints. Now you understand why Pearl Harbor got bombed.

Give your loved ones Gummy Bears.
Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Message-Id: <3.0.1.16.19980118205635.2d773fdc@hiwaay.net>
To: Old Tube Radios <boatanchors@theporch.com>
From: eaj <eaj@hiwaay.net>
Subject: T-368
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

from eaj@hiwaay.net

Dee and AL: The only T-368 I know of is a /URT transmitter, covering 1.5 to 20 Mc AM @ ~450 watts out. Has one 4-400 in PA, two 4-125's in mod., can run directly off 115vac 60cps. Full set weighs 650 lbs, sold for $495 by Fair Radio in 1982. Manual available (~$15+) Uses BC-939/TN-339 antenna tuner, same one as BC-610.

Never seen one, don't know anyone who has one. Picture shows rack-mount, three tier unit, with most of the meters and controls on the top section.

```
------------------------------
Message-Id: <199801190322.VAA23655@cowboy.brightok.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Coe W5JI <jcoe@brightok.net>
Subject: FS Books that need new home
Cc: boatanchors@sco.theporch.com

Been trying to make space in the shack's bookcases and
have the following books that I no longer need. The
problem I always face in selling books is the shipping
costs. For that reason, I'd like to try this approach
this go round......

1 to 2 books ordered.......shipping $2 CONUS by USPS
3 to 4 books ordered.......shipping $3 CONUS by USPS
5 or more books ..............send me your shipping
    address and I'll quote shipping by return email

Buy all the books for $ 48.00 and I'll ship UPS on my nickel.

1 each     Communications Receivers by Moore
             3rd edition  like new condx 1993
             everyone needs one                    $ 10.00

1 each     FM and Repeaters by ARRL   1976
          1st edition, 3rd printing vy good condx
          232 pages cover FM with tubes and SS           $  3.00

1 each   Electronics for the Amateur by W5REZ 272 pages
         Editors & Engineers  1st edition, 1st printing
         1970 Very good tube circuit explanations
         Excellent condition except name (not mine!)
         stamped on edges of paper at top and bottom $ 5.00

1 each     ARRL 1967 Handbook  very good condition
           except 3 pages in middle loose. Cover is a 9
           I have two so one is for sale             $ 10.00

1 each    Fundamentals of Radio by Jordan, Nelson,
          Osterbrock, Pumphrey and Smeby 1942.  This
          is from 18th printing in 1948. Obviously was
          a textbook, has pencil notes in margins which
          I have not removed. Great tube radio text with
          great photos and schematics of RCA Type 250K and
```

other RCA broadcast xmtrs using 802s, 810s, 828s, 833As and 872s....among others. 400 pages in very good condx $ 6.00

1 each The Principles Underlying Radio Communications by the US Army Signal Corps 1921 2nd edition This is really great reading for real BA mavens. Not only does it cover electrical principles, it goes into great detail on quenched gaps, Alexanderson alternators, crystal and regen detectors, etc...it also has great photos of tubes and equip and very useful coil winding info. 619 pages. Cover a little rough but complete and contents in very good condx. $ 10.00

1 each Basic Field Manual - Signal Communication 1939 This is a paper back of 291 pages that covers the gamut from runners to pigeons to codes to telegraph/ telephone poles & wiring to splicing to alpha codes to tactical radio nets. Whew!! Great item for mil equipment collectors. Cover rough, contents vy good $ 4.00

1 each RCA Receiving Tube Manual 1968 Series RC-26 Paperback, 656 pages. Spine taped with fabric tape. Rest of cover and contents in good condx but pages may come loose if handled roughly. $ 5.00

1 each Experiments in Electronics and Communications Engr College textbook by Schulz, Anderson & Leger 1943 2nd edition. Excellent condx. Can perform experiments but text is so complete that reading is great intro to using test equip, RF osc, RF amps, VTVMs, rcvrs and even electronic switches for T-R switching. 95% tube oriented $ 5.00

Thanks es 73's.....Jim

Jim Coe W5JI
Oak Crest(Antenna)Farm
Davis, OK, USA

Hollowstaters should never tell their paramours that the glow in their eyes reminds them of a favorite radio!!

Message-Id: <2.2.32.19980119033314.006c57f4@milo.cfw.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

To: Old Tube Radios <boatanchors@theporch.com>
From: dave metz <metzd@cfw.com>
Subject: Re: R-389 wrap-up or C607 failure

At 04:23 PM 1/18/98 -0600, Robert Nickels wrote:
>Hi All,
>
>
>The only real electrical problem was an interesting one, fortunately it was
>easy to find. It was the high level of audio hum that caused me to un-rack
>the receiver in the first place, but it wasn't a bad filter like I've come
>to suspect. In fact, the whole power supply only uses one 10 uf
>oil-filled capacitor - but the effectiveness of this filter is increased by
>the voltage regulator gain. In my case, C-607 was leaky, which ruined the
>ability of the circuit to cancel out ripple voltage. It was certainly
>counter-intuitive to me to replace a tiny 100 pf cap and make all the hum

I can ditto that little bugger as being bad in 4 out of 6 units in the last several years. Its relatively easy to find as it bypasses to ground and shows less than a meg resistance but why that particular 100pf mica as being very prone to failure escapes me. Perhaps the proximity to those red hot 6082 regulator tubes?

73's
dave

Message-Id: <3.0.1.32.19980118191809.00712468@marlin.nosc.mil>
To: Old Tube Radios <boatanchors@theporch.com>
From: Edward Zeranski <ejz@nosc.mil>
Subject: Surplus Conversion Handbooks FS
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>For sale, full set of Surplus conversion handbooks, all in good shape:
>
>Volume 1, 3rd ed., Volume 2, Volume 3, The Surplus Handbook, Surplus
>Schematics Handbook (CQ), Surplus Conversion Handbook(CQ). Like to sell
>them as a lot. BO over $100 for all. Thanks George
>
>Sorry Boss, but had to ask the crew. Is this current market price or
extreme. Please answer through email not BA.

Ed Zeranski This is a private opinion or statement.
home email: ezeran@cris.com

Message-ID: <34C2C93F.1A04@sprintmail.com>
From: Hal Waite <halwaite@sprintmail.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: Unused Copy of Collins "Log of Amateur Radio Station"
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just the item for the Collins fanatic. Unused copy of the July 1967
printing of the official Collins log. KWM2 and 30L1 on the front cover.
Near new in appearance and unused. Best offer.

73 de Hal K3AB/7

Message-Id: <199801190336.WAA17438@smtp11.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Cosmo224 <Cosmo224@aol.com> (by way of Andre Guibert
<aguibert@sympatico.ca>)
Subject: Bendix RA10 found

 Hi a tous
 The complete installation as a DF would require the
 following components.
 1- RA10DB receiver
 1- MS-14B JB
 1- MR-9B Control box
 1- MN-52B Azimuth control
 1- MN-20A or MN-24A Loop
 1- Flex mech. drive
 The RA10DB was used mainly as comm. receiver in the
 Canadian Mossies and Lancasters, with the MN26 in
 the DF role.
 Andre

Message-ID: <34C2CB1E.6C7F@sprintmail.com>
From: Hal Waite <halwaite@sprintmail.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: Plug for the Electrovoice Model 674 Microphone Body
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for the above item which is a large 3-pin plug, probably
Amphenol Part No. 91MC3M. This plug probably also fits other
Electrovoice microphones of the 1950-1960 era. Thanks in advance.

Hal K3AB/7 Las Vegas

Message-ID: <34C2D8D6.6782@gte.net>
From: John Hurst <hurstjsj@gte.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Racal RA17C schematic needed
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does any one have one of these? I have a RA17L manual but have the RA17C
Receiver. Thanks and 73. John KU6X (ex K6SMD).

From: Ken Gordon <keng@uidaho.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: T-368
Message-ID: <Pine.BSF.3.95.980118204528.11891C-100000@piobaire.mines.uidaho.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 18 Jan 1998, eaj wrote:

> from eaj@hiwaay.net
>
> Dee and AL: The only T-368 I know of is a /URT transmitter, covering
> 1.5 to 20 Mc AM @ ~450 watts out. Has one 4-400 in PA, two 4-125's in
> mod., can run directly off 115vac 60cps. Full set weighs 650 lbs, sold for
> $495 by Fair Radio in 1982. Manual available (~$15+) Uses BC-939/TN-339
> antenna tuner, same one as BC-610.
> Never seen one, don't know anyone who has one. Picture shows
> rack-mount, three tier unit, with most of the meters and controls on the
> top section.

T-368 is the replacement for the BC-610. VERY stable VFO. Heavy as heck.
Excellent rig and a real BA.

I know of several which are on the air regularly.

Ken W7EKB

Message-ID: <016301bd2495$30f17720$298a3ece@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Panel Lettering
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

I'll bet most of us have pondered how to re-do the lettering on a prized BA front panel. I've even priced having a worn silk-screened panel engraved, but prices start at over $100 and of course the result would be non-original.

Back in the "dark ages of computing", before the days of winking paper clips and when 64K didn't refer to cache, there was a device called a flat-bed plotter. It used pens instead of toner cartridges to create graphical hardcopy. I wonder - why not lay your freshly-repainted BA panel on the plotter and "draw" the lettering (and any other graphics) right on the panel? And it would require the right kind of ink to be compatible with the plotter pens and still be durable when dry or cured.

If anyone has tried something like this - I'd like to know. Seems like the same method could could generate dial scales right on glass (if you could make it stick!) and nameplates...either as direct images or as resist for chemical etching...? Gee I might have to start paying attention to those heaps of compu-garbage at hamfests!

73, Bob W9RAN

Message-ID: <34C2DBB3.74CB@ix.netcom.com>
From: Jon Schmidt <schmidtj@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need Hallicrafters Knob!
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy Gang!

I'm just finishing up on a Hallicrafters SX-101A but it is missing the knob for the "Notch Depth" (or "Pointer Reset") control. I only need one and even the skirted version of the knob that is on the "Ant Trimmer" or "Notch Freq" will do with the skirt removed. This is a

little black knob with a chrome insert in the center. If anyone has on laying about that they will sell please let me know!

Have a great week everyone!

Jon WD8JSA

From: M Kent Miller <QCS0041@InfoAve.Net>
Subject: T-368 Transmitter
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <34C2A2CA.7B11@infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Greetings,
In my haste to catch up with several days of accumulated messages, I inadvertently disposed of one requesting information on the T-368. I have one of these (a T-368-model E), and would be happy to answer questions about the unit if the inquirer would like to reiterate the query. The unit I have was purchased from Fair Radio in 1992; prior to that time it had been stored in the military crating since 1972. Upon carrying it home to NC in a pickup truck, it took only a few simple mods. to the audio circuits to put it on the air, and it has provided a solid 500 watts out on 160 meters for the last 5 years +. If someone wants a good high quality AM transmitter, I would heartily recommend the T-368, assuming you can get one that is in good shape. Incidentally, this one is not for
sale.
73, Kent -- K4IHN

From: WILLIAM HAWKINS <bill@iaxs.net>
Message-Id: <199801190631.AAA07119@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Parting out Whirlpool 40" Range

Remodelling has obsoleted the subject range, about 25 years old. Who'd want that? we said. Then I remembered all those BA stories about drying radios and curing paint in the family oven. Here's your chance to have your own oven, to the relief of the people who want to bake edible stuff in the oven. Or, if you have any use for heating elements or controls, speak up. It goes to the stove breakers next Saturday. Until then, it is available for

pickup at my garage in Bloomington, MN 55438. Price depends on
how much work I have to do.

Did I mention it was avocado green?

Regards,
Bill Hawkins bill@iaxs.net

From: William Donzelli <william@ans.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Panel Lettering
Message-Id: <Pine.GSO.3.96.980119020749.24162C-100000@titan.purch.ans.net>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> If anyone has tried something like this - I'd like to know. Seems like the
> same method could could generate dial scales right on glass (if you could
> make it stick!) and nameplates...either as direct images or as resist for
> chemical etching...? Gee I might have to start paying attention to those
> heaps of compu-garbage at hamfests!

It may work, but most pens really do not like to be refilled. The only
real stumbling block would be the font that a CAD package would use to
draw the lettering. Plotter fonts are straight line affairs, even if they
are Roman or whatever. Smooth curves on CAD systems are hellish to do, so
no one that I know of makes smooth curve fonts. If anyone used them, they
might have to wait a few minutes every time the system regenerated the
image.

And what is with "compu-garbage"? OK, the PeeCees can go, but every so
often there is a gem under the piles...

William Donzelli
william@ans.net

Message-Id: <v03007800b0e8b585cc26@[153.34.139.162]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: What makes a tube "Zero Bias"

>On 1998-01-18 spr@earthlink.net said:
> sp>Folks,
> sp>Bill Jarvis wrote:
> sp>"I also read that "Quiescent push-pull" valves usually come as 2

> sp>pentodes in 1 bottle, ready balanced, and pentodes rather than
> sp>constructing a "zero bias, zero Ia" triode."
> sp>Well, I'll politely disagree with this. The best known such tubes
> sp>in American usage are the 53/6A6/6N7 series of dual triodes,
>
>Agreed; but they aren't examples of the rarer "zero anode current at
>zero bias" tubes, are they? (I ask because I don't know!)
>
>I can sketch how it can be done with more than one grid; but maybe in
>the case of a (zero Ia at zero Vg) triode the grid could be wider than a
>mere wire? More like a strip? Just guessing.
>
Well, they are designed for use as class B audio PAs with a grid bias of 0 volts. They actually work best with about -6 volts, but at 0v you get 17.5 mA per section, so I guess you are right-although they are designed to operate at 0v they are not cut off at that voltage.

Regards,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

From: Jderm740 <Jderm740@aol.com>
Message-ID: <6c66e988.34c33fe3@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re:Re:Re: HRO Mods
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

For all those that were offended by my offer, I have deleted your responses. If anyone else feels compromised, please let me know so I can add you to the delete list. I don't wish to make anyone uncomfortable.

Jack

From: "P. J. Rovero" <provero@connix.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: R-390/389/391 C607 & hot 6082's
Message-ID: <Pine.BSI.3.95.980119080837.5097A-100000@comet.connix.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

The heat from the 6082's is not insignificant. But my R-391
worked well with only 3 of the 4 6082 triode sections active.

To fight the heat, I've mounted a small 12V muffin fan on the outside
of the 6082's. No longer get the "hot spot" on top of the
dust cover.

Another problem is that heat rises, and *where* it rises is to all
components of the audio module and the IF module above that. Look
for baked components in both modules...

P. J. "Josh" Rovero email: provero@connix.com
Oceanographer work: rovero@sonalysts.com
Meteorologist radio: KK1D
Curmudgeon at Large web: http://www.connix.com/~provero/

From: RSOLOMON@systems.TEXTRON.COM
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Nuvistor Reliability
Message-ID: <00341000022106180000002L082*@MHS>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

 Just a quick comment on Nuvistor life and reliability, How many
 TEK 547 scopes and 1A7 Plug-Ins are still out there... or type
 81 or 82 Plug-Ins ?? They used several Nuvistors. I have a bunch
 that I keep as spares, bought them new many years ago... and
 never have needed to replace one. Luck ??
 73, Dick, W1KSZ
 rsolomon@systems.textron.com

From: arc5@ix.netcom.com
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <199811982311221726@>
Subject: Sweep Tubes-- My Thanks
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

A great many people replied to my request for sweep-tube information.
Thanks to you all! Got a good database now.

73 DE Dave AB5S

From: chucks@pivot.net
Message-Id: <3.0.5.32.19980119092617.008ea860@pivot.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Collins KW-1 for sale
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a KW-1 for sale. Please respond via private email with
your name, callsign, address and phone number and I will send you
more info. ABSOLUTELY no dealers!
Thanks

Chucks@pivot.net

Message-ID: <34C3737F.3486@swbell.net>
From: Lenox Carruth <carruth@swbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Panel Lettering
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A couple of things come to mind that I have used back when dinosaurs
roamed the earth:

A Leroy lettering set does a great job and will work on meter faces,
panels, etc. Special etching inks can be obtained that would probably
be pretty durable. Nothing is needed on dial or meter faces if they are
protected as most are. Panels are a different matter and need a coat of
something clear. Matte epoxy would probably be the most durable.

Dry transfer letters come in many styles and colors and work well. They
also need some type of protection if abrasion is a problem.

I have heard of people doing silk screening themselves. I believe it is
a photographic process to make the screen so should not be too
difficult. Then you just squeegee the paint on the screen and force it
through the lettering. Could look exactly like the original.

Note that much lettering on older equipment was made from master
drawings that were done with the Leroy lettering set. The tell-tale
clue is the round ends of each stroke. Once you see Leroy lettering,
you will recognize it from then on.

I have seen Leroy lettering sets at garage and estate sales although not
frequently. I suspect that the basic set is pretty expensive now. They
do an outstanding job on meter faces although I understand that there
are computer programs now available that do an even better job.
(Although on paper and not directly on the meter face)

--

Lenox

Lenox Carruth, Jr. carruth@swbell.net
Dallas, Texas
Collector of WW-II Communications Equipment and Memorabilia

Wanted: TCS-14 Transmitter, TBX, BD-71, Sextant

Message-ID: <34C379BB.FE4B7DB1@jps.net>
From: Larry Boyle <lbkd6wi@jps.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Speaker HELP
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a SX101 MK11 and I was looking for the matching speaker.
I thought it was the R-46B. I am now confused. I was told that the
proper speaker for that radio is the smaller gray speaker I think the
R-48 A or B. What is the proper speaker or was their more than one
that you could order depending on what one wanted. I guess I want
to know what is the one that would be shown with the rcvr in the
sales brochure. Thanks Larry B. Placerville Ca.

Message-Id: <199801191608.QAA18875@punt1.hw.ac.uk>
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
CC: boatanchors <boatanchors@theporch.com>
Subject: Re: Photocopying Old Radio Manuals

On 1998-01-19 oldradio@worldnet.att.net said:
 ol>To all, Re: Photocopying Old Radio Manuals
 ol>I for one, do not want to buy, or trade for a photocopied manual
 ol>done at the expense of a school district. I think that discretion
 ol>here is call for. We can all afford to pay our own way.

Schools and times differ so much. In '65 I started teaching at a boarding school near London and asked whether I could use the school facilities to copy a Physics broadsheet, for which people from all over the world paid a sub. I offered to pay for paper and ink but was told the school considered that all staff did endless odd jobs after 4 pm and during the holidays (true) and staff were welcome to make reasonable use of school facilities in return; no-one would be counting.

I also used Physics teaching facilities, in the evenings, for research which I later published. Colleagues did likewise.

In '69 I moved to a school in Scotland and found the same attitude. In return I sometimes stayed up beyond 11 pm in connection with voluntary music and drama. And endless weekends driving mini-buses and supervising games and mountain walking etc.

In '76, back to England and part time work; but it was still give and take - except at one small private school which I hastily left.

So I don't feel uneasy about who photocopied what on whose facilities; but I can see I am probably out-of-date in this attitude as in many others. We all trusted one another. That's part of the appeal of BA.

Bill
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Naturam expellas furca, tamen usque recurret

Net-Tamer V 1.10 - Registered

Message-Id: <199801191608.QAA18868@punt1.hw.ac.uk>
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
CC: boatanchors <boatanchors@theporch.com>
Subject: Re: Screen AM

On 1998-01-15 santavic@ct.picker.com said:
 sa>I would like to get on AM sometime. When I was a kid, I had a
 sa>Knight Kit T-150A that used a pair of 6146's and screen
 sa>modulation. I would get good signal reports concerning my

My first AM tx made from "found" surplus parts at school around 1956 used screen modulation (single-ended). I got good reports for audio quality but my "Elmer" said it was OK for starters and for anyone short of cash; but "non-U". (I suppose "U" and "non-U" would now be considered "Not PC".)

Varying the screen voltage must affect the efficiency and the precise tuning, especially if neutralisation is needed (it was in my rig, which was single ended). However, the average screen voltage didn't vary much, and the ultimate test - reports of audio quality - could not have been better.

Why WAS screen modulation frowned upon, anyone, please?

I could see why Grid Modulation, applying audio "in parallel" with the RF going into the Final, might be regarded as dodgy; but that too "worked" and I don't think listeners could tell (maybe because of all the other shortcomings).

The bottom line was that in one's earliest constructing days, it might take 1 month to save up to apply grid modulation, 3 months for screen mod, and a year for The Full Monty.

...there was even Cathode Mod! And why not? Though I would not like to embark upon a Fourier analysis of what to expect by way of output. I always preferred the "try it first, THEN explain it" approach - still do.

When transistors arrived about then, we made a few valve Finals with a power transistor in series with the cathode as series modulator! You may laugh...it worked (but the transistors didn't last. Probably got a few hundred V c to e if anything went wrong...oops, wash mouth out again...)

Bill
GM8APX, qthr=No 6, EH4 6JY==Cave felem==No Rectangulars=Ikke Hawkering

Net-Tamer V 1.10 - Registered

```
------------------------------
From: dj@bllac.JPL.NASA.GOV (Dayton Jones)
Message-Id: <199801191613.IAA15448@bllac.jpl.nasa.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Looking for S-38B parts
Cc: dj@bllac.JPL.NASA.GOV
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-MD5: kiTh7YeO052QMMJsKigqbg==
```

Last weekend I was strolling through the DeVry swap meet near LA
with my two young daughters when the almost-six-year-old points

to a hallicrafters S-38B on a table and announces that this "cool" radio would look great on the table next to her bed. After picking my jaw up off the ground I immediately purchased the set and tried to explain to my daughter that a radio built when I was born might just possibly need a bit of repair work before it could be played with. I was thinking about the many warnings concerning these AC/DC transformerless sets I had read on this list.

Well we took the S-38B home and, gasp, it did not work (I will wait for you all to recover from your shocked surprise at this). A bit of internal investigation revealed two problems (so far): the on/off section of the volume control is noisy and intermittent, and 4 of the 5 tubes test dead on a TV-7 tester. Fortunately, the set appears to be complete and in good mechanical condition. So, finally, here is the inevitable request part of the message: Does anyone have an old S-38 series parts unit from which the on/off/volume control could be extracted, and a set of 12SA7, 12SK7, 35Z5, and 50L6 tubes for sale? The on-off section of the switch could likely be fixed with a shot of Deoxit, but it is completely encased in plastic with no openings. Any suggestions about other common problems with these sets would be appreciated. Thank you.

Dayton Jones, K6DJ
(dj@bllac.jpl.nasa.gov)

Message-Id: <199801191627.IAA10827@igc6.igc.org>
From: Dick Dillman <ddillman@igc.apc.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Speaker HELP

> I have a SX101 MK11 and I was looking for the matching speaker.
> I thought it was the R-46B. I am now confused. I was told that the
> proper speaker for that radio is the smaller gray speaker I think the
> R-48 A or B. What is the proper speaker or was their more than one
> that you could order depending on what one wanted. I guess I want
> to know what is the one that would be shown with the rcvr in the
> sales brochure. Thanks Larry B. Placerville Ca.

Greetings, Larry. I'm pretty sure the R-46A/B is what you want. According to Dachis the R-48 is intended for use with the SX-111, SX-140, etc. Besides in my opinion it is much too modern in its styling for the SX-101. I have a R-46B commected to my SX-101A and they seem quite happy together! The R-46A/B is also the speaker listed as correct by Dachis. Best luck in your hunt.

Regards,

Dick Dillman/W6AWO

Message-Id: <3.0.32.19980119105939.006efa94@mailman.ghgcorp.com>
To: Old Tube Radios <boatanchors@theporch.com>
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Cunningham tube, was: Re: Looking for S-38B parts
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings everyone.

While looking for a 35Z5 tube for Dayton's daughter's S-38B, I found a pair of them. One is a CBS tube, the other is a Cunningham 35Z5GT. I've never seen a Cunningham tube before. I seem to remember there was chatter on BA about a year ago indicating that these Cunningham tubes were collectors items. Is that so? I notice "Tube Lore" by Sibley doesn't even mention Cunningham.

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: BDHall@ghg.net, web: http://www.ghgcorp.com/bdhall.
"An ye harm none, do what ye will."

Message-Id: <199801191657.LAA00410@server1.ils.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: L & M <toneri@ils.net>
Subject: Re: Johnson Valiant Drive Pot
Cc: Old Tube Radios <boatanchors@theporch.com>

At 04:14 PM 1/18/98 -0600, John Lockhart wrote:
>
>I need to replace the "Drive" potentiometer on a Johnson Valiant -
>Has anyone used a wire-wound version with good results??
>
>(I'm concerned that the inductance in a wire pot could possibly cause
>a problem.)
>
>Thanks,
>

>John W0DC
 I replaced the drive pot on my Valiant 1 with one made by Philips. I believe it was a 'CERMET' type and 10 or 12 watts dissipation. About half the size of the original ans does't get hot either. That was about 8 years ago and now I understand that those pots go for around $20 each. Wish I had bought a dozen at $8 each back then. I think you will find that the original pot is a wire wound type, mine was and the wire inside had broken.
73...Mike VE3FGU

Mike & Lynda Toneri E-mail: toneri@ils.net
Keswick, Ontario
WEBPAGE: http://www.geocities.com/heartland/meadows/8218

From: Jim Wilson-EJW012 <Jim_Wilson-EJW012@email.mot.com>
Subject: WTB- R-389 LF Receiver
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <"Macintosh */PRMD=MOT/ADMD=MOT/C=US/"@MHS>

Recently I posted a request for info on i.f. noise blankers that I could use with my R-390A for low freq. work -- several people suggested that what I really needed was an R-389! Well, I couldn't agree more -- in fact I've been looking for one for 10 years now, but it seems that the guy just before always gets it first. So here goes again...

WANTED: Collins R-389/URR VLF/LF receiver in good condition.

Jim Wilson
3815 NW 72 Dr.
Coral Springs, FL 33065-2244
954-723-4532 (day)
954-341-3306 (eve)
ejw012@email.mot.com

Message-Id: <3.0.32.19980119121001.006eb5b4@mailman.ghgcorp.com>
To: Old Tube Radios <boatanchors@theporch.com>
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Where to obtain quality terminal strips?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings fellow filament followers...

Looking to homebrew up some BA gear. The terminal strips sold by Mouser, while they work, are well, a little flimsy. Anyone have a source for sturdier, higher quality units? Are the ones sold by AES sturdy?

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: BDHall@ghg.net, web: http://www.ghgcorp.com/bdhall.
"An ye harm none, do what ye will."

Message-Id: <3.0.32.19980119124043.006ec3a8@mailman.ghgcorp.com>
To: Old Tube Radios <boatanchors@theporch.com>
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: It's QTH.BAFOLKS revision time!
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Greetings all.

Looks like it is time to update the QTH.BAFOLKS listing again. For those who just tuned in, the QTH.BAFOLKS listing is a file available in the BoatAnchors archive that lists the name, call and ex-calls, e-mail address or addresses, town or city, state or province or international equivalent, and country. Being listed in the QTH.BAFOLKS listing is voluntary, and not an automatic thing.

The listing is a pretty useful tool - if you are like me, you misplace everything, including e-mail addresses. So, if you remember the person's name or call, you can easily find their e-mail address. It is also useful for finding other BA folks near you, people who may be near some gear you'd like to buy, etc...

You'll notice that the QTH.BAFOLKS listing doesn't list phone numbers, web pages, or complete mailing addresses. This is for the privacy of the folks on the list - we all hate that tree-killing junque mail that appears in our postal mail boxes, and all hate those annoying phone solicitors. Not that I believe that would happen, but you never know.

--->To obtain a copy of the list:

Send e-mail to: LISTPROC@SCO.theporch.com (that is LISTPROC@SCO.theporch.com, not the list itself)

Put whatever you'd like in the subject line, as the listproc doesn't care about it.

In the body, type:
get boatanchors QTH.BAFOLKS

And while you are making work for the listproc, why not see what is in the archives? (I do whenever I send work to the listproc, as new stuff is added all the time) To do that, add the line:
index boatanchors

You'll *love* the archives, it has *MUCH* wonderful stuff in there.

--->To add yourself to the listing, send me e-mail at BDHall@GHG.NET, with QTH or something like it as the subject (so I recognize it as QTH mail so my itchy delete finger doesn't get it) with the following information in the exact format below:

last name, first name, call and any ex-calls or none if you don't have one, e-mail address or addresses, city or town, state or province or international equivalent, country.

The commas and one line format is important - the closer you get your info into this format, the less editing I have to do. As an example, my entry would look like:

Hall, Benjamin D., KD5BYB, BDHall@GHG.NET Benjamin.D.Hall1@jsc.nasa.gov, Webster (southeast of Houston), Texas, USA.

One thing I'd like to change - please send me the full name of the state, not the two letter postal thing. Folks outside of the US have no idea that TX = Texas, and while I'm pretty good at knowing that BC = British Columbia, PEI = Prince Edward Island, ON = Ontario, etc., I'm not really good with the other Canadian provinces and have no clue about ones from Mexico, Europe, Japan, or Australia. (we do have subscribers from Europe, Japan, and Australia!)

--->To update your previously existing entry, send me e-mail at BDHall@GHG.NET with QTH or something like it as the subject, and tell me that it is an update, and tell me what to change.

Questions? Comments? Concerns? Cash or equipment donations? Feel free to contact me.

Thanks and 73,
Ben Hall, your humble QTH.BAFOLKS editor

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: BDHall@ghg.net, web: http://www.ghgcorp.com/bdhall.
"An ye harm none, do what ye will."

From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: Panel Lettering
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>,
 ~richardlo@devax.admin.athabascau.ca
Message-id:
 <Pine.PMDF.3.95.980119114742.541198448C-100000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Sun, 18 Jan 1998, Robert Nickels wrote:

> Hi All,
>
> Back in the "dark ages of computing", before the days of winking paper clips
> and when 64K didn't refer to cache, there was a device called a flat-bed
> plotter. It used pens instead of toner cartridges to create graphical
> hardcopy. I wonder - why not lay your freshly-repainted BA panel on the
> plotter and "draw" the lettering (and any other graphics) right on the
> panel? And it would require the right kind of ink to be compatible with the

being the proud owner of an HP flat bed plotter (and I am not being snarky).
I don't think you can get the resolution out of the pens and you would spend
some time building up the characters to be correct. They used (HP anyway) used
two kinds of pens: little low resolution disposable felt pens, and a refillable
pen which I have never seen but I reckon it would give a more precise line
if you could find the right colour of ink.

Most HP plotters use PCL (sort of a low budget PostScript) language to drive
the plotter which is human readable text so you could write it by hand or edit
the output of something like Microsoft Word if you were really desparate. My
old plotter started off with a nicer, more compact, non readable language but
I had to downgrade to PCL to run in the modern computer world that Bill Gates
has dictated to us.

Your getter off learning to do silk screening and using your computer generated
panel to create the silk screens and use that on the panel itself.

 Richard Loken VE6BSV, Systems Programmer - VMS
 Athabasca University
 Athabasca, Alberta Canada
 ** richardlo@admin.athabascau.ca **

From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII

Content-Transfer-Encoding: 7BIT
Subject: wtb Drake B-line
Message-Id: <96652B69A4@ct1.ct.picker.com>

hi guys,

I'm looking for the Drake T-4XB and R-4B with AC4/MS4 in good condition.
Prefer Cleveland, Ohio area for pickup. I will drive 200-mile radius
Of Cleveland, Ohio for pickup.
Ed Santavicca

73 de AA8TV
Piper Warrior N44076
santavic@ct.picker.com

Message-Id: <199801191921.OAA14689@smtp1.erols.com>
From: philip mccoy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re Cunningham
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii

Cunnington was part of RCA. RCA obtained the Cunningham tube
bussiness during 1920s. RCA Cunningham tubes are quite common.

Philip McCoy dgnova@erols.com

From: JONWEINER <JONWEINER@aol.com>
Message-ID: <ac95df89.34c3a4eb@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Manual needed
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello all. I need a copy of the manual for a military signal generator, model
TS-413A/U. If anyone can help, please let me know.

Jon, K1VVC

Message-Id: <199801192016.PAA22874@brill.shiva.com>
From: John Shriver <jas@shiva.com>
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com

Subject: Re: Nuvistor Reliability

Well, I have a bevy of Tektronix plugins that use Nuvistors (at least 1A5, 1A6, 1A7, 2A61, 3A1, 3A3, 3A6, 3A7, and 3A8). The only problems I've encountered are keeping matched pairs matched in the 3A3. Other than that, they seem plenty reliable in the very conservative designs donw by Tektronix.

However, in many applications, Tektronix did design revised versions when reasonable FET's were available. For instance, later versions of the 1A1 (serial number 20,000 and up) and 3A3 (serial number 5,000 and up) used FETs, and the 1A7A is a FET upgrade of the 1A7. In differential-amplifier applications, the Nuvistors were just impossibly drifty at the most sensitive settings, even when housed in silicone sleeves inside aluminum heatsinks to ensure thermal tracking.

I suspect that almost all applications where Nuvistors are used as cathode-followers, it's probably pretty practical to devise a simple circuit change to use a FET.

On the other hand, the 7587 nuvistors used as frequency multipliers in the Tektronix 184 time-mark generators would probably be much harder to design out.

I've read on this list that sending a Nuvistor into (negative) grid currrent is a sure-fire way to toast one. Tektronix (DC amplifier) designs carefully protected against this, other designs may not have.

I also have a substantial supply of spare Nuvistors, and I haven't had to pay more than a few dollars each for them. Not that hard to find.

I've not had any problem with NOS Nuvistors being bad. However, the TV-7 settings for the 7586, like those for the (very) related 6DJ8, do appear to be at a poorly chosen bias level (too close to the knee). I haven't kept tabs on the quality of used Nuvistors.

(I'm still on the prowl for 7586 Tek-matched pairs, 157-0110-00.)

From: Jeffrey Herman <jeffreyh@hawaii.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB book
Message-ID: <Pine.GSO.3.95q.980119103350.8031A-100000@uhunix5>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Want to buy: AM-FM BROADCASTING, from the Sams collection, #21012.
[Would like to trade a Motorola HT for it (have dozens of these HTs

I'm using for trading).]
73, Jeff KH2PZ (who vicariously dreams of setting up his own bcst stn)

From: arc5@ix.netcom.com
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <19981191458192262 99@>
Subject: Tektronic Scope FS
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For the scope fixers among us:

Tektronic model 465 as AN/USM-425.
This is NOT working...The gradicule lights up
but nothing else. I've looked inside and don't
see any big chunks missing, but I'm not the
expert on these. Case needs cleaning.
Will let it go for $20 plus
32 pounds shipping from 78728.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Schematics for an old valve set? (fwd)
Message-Id: <Pine.A32.3.91.980119161637.57167D-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

BA Gang,
 Can any one help Keith with his SW radio? Plese see forwarded message
below.
Thanks, Paul Bernhardt

Work:P.A. Bernhardt
 Code 6794
 Naval Research Laboratory
 Washington, DC 20375
Tel: 202-767-0196
FAX: 202-767-0631

Home: Paul Bernhardt, KF4FOR
 5704 Ridge View Dr.
 Alexandria, VA 22310

 703-960-9656

---------- Forwarded message ----------
Date: Mon, 19 Jan 1998 18:37:35 -0000
From: Keith Clark <K.Clark@ee.surrey.ac.uk>
To: "'bern@ppdu.nrl.navy.mil'" <bern@ppdu.nrl.navy.mil>

Subject: Schematics for an old valve set?

Hi Paul,

I am trying to get an old valve short-wave set working that was given to me by my father type Eagle Rx-80. I don't have a schematic for it and wonder if any of your friends maybe able to help me out. Normally a set of this age wouldn't be worth wasting time on but this has sentimental valve.

Best regards

Cheers,

Keith

By the pricking of my thumbs
Something wicked this way comes.....

Internet K.Clark@ee.surrey.ac.uk
Phone ++44 - (0)1483 259877
Fax ++44 - (0)1483 259503
http://www.ee.surrey.ac.uk/Research/CSER/UOSAT/index.html

From: Stanley Wilson <microres@crl.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Did we over design our drivers for tube amplifiers ?
Message-Id: <Pine.SUN.3.91.980119132011.28319B@crl7.crl.com>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have been working with transistor stages (RF) the past several years and if we need 0.1 watt drive that is what the driver stage is design to supply plus a few percent.

I had never thought much about it but we seem to use 15 to 30 watts drive for a 807 or pair of 6L6's. The 6L6 only requires about 0.2 watts grid drive. In an old Gates AM broadcast transmitter I use to work on had a 813 as buffer for the 833 final with 500 watt output. Have we learn more about how to match tank circuits with solid state ?

de stan ak0b

From: CEMILTON <CEMILTON@aol.com>
Message-ID: <77077331.34c3c487@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: National FB7A

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I have a National FB7A with matching 5887 AB Doghouse power supply. There are a total of 8 coils included plus an extra set of tubes for both receiver and PS. The radio is in working condition and at least an "8" cosmetically. This radio was Nationals first superhet and is well documented in the AWA OTB Volume 26, #'s 2-3, Sept/Dec 1985. Asking $550 and will split shipping costs CONUS.

Charlie Milton
cemilton@AOL.com

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: Looking for S-38B parts
Message-ID: <19980119.155935.7230.0.jackiv@juno.com>
From: jackiv@juno.com (John M Iverson)

HI ALL.
cunningham was an RCA mark for tubes in other markets, not really a collectible tube, unless a 210 whee
11

Jack Iverson K0EWU jackiv@juno.com

On Mon, 19 Jan 1998 11:00:44 -0600 bdhall@ghg.net (Benjamin D. Hall) writes:
>Greetings everyone.
>
>While looking for a 35Z5 tube for Dayton's daughter's S-38B, I found a
>pair
>of them. One is a CBS tube, the other is a Cunningham 35Z5GT. I've
>never
>seen a Cunningham tube before. I seem to remember there was chatter
>on BA

>about a year ago indicating that these Cunningham tubes were
>collectors
>items. Is that so? I notice "Tube Lore" by Sibley doesn't even
>mention
>Cunningham.
>
>Thanks and 73,
>Ben
>---
>Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
>Located in Houston, Texas, USA.
>e-mail: BDHall@ghg.net, web: http://www.ghgcorp.com/bdhall.
>"An ye harm none, do what ye will."
>
>

From: davidh@getnet.com
Message-Id: <199801192338.QAA17027@getnet.com>
Subject: BA's In Mesa, AZ Aircraft Museum
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

I took my 8 year old son to the Champlin Fighter Pilot Museum and the Confederate Air Force museum this morning. Both are located at Falcon Field in Mesa, AZ about 25 miles east of Phoenix. The Champlin has displays of aircraft from WWI to Vietnam era with lots of memorabilia. No boatanchors though.

The Confederate Air Force museum which is 1/2 mile west has a number of WWII aircraft which they fly and a number of planes undergoing restoration and a nice glass case full of BAs. On display are an ART-13, several ARC-5 receivers and transmitters, a BC-348Q, a J-38 key, a BC-221 and a few other things that I am not familiar with all very nice shape cosmetically.

My son looked at the BC-221 and said we have one of those at home Daddy. That's the same "radio" you gave Brittany (my 9 year daughter) and me to play with. I had forgotten that I did "loan" them one to play with as they though it was a neat "radio" especially with its hidden compartments. I told my daughter she could play with it under one condition - she was not to take it apart. She likes taking apart old electronics, disk drives, VCRs, etc.

Great museums, nice displays and worth visiting if you are in the Phoenix area.

73,

Dave N7RK

*

Dave N7RK - Webmaster CADXA
Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor Collector Extraordinaire preferring Hallicrafters, National
and what ever else looks interesting!

\\-//
davidh@getnet.com (o!o)
http://www.getnet.com/~davidh
-----------------------------ooOO-(_)-OOoo---------------------------------
-
E-Mail Address My Home Page

Visit the Central Arizona DX Association Home page --- http://cadxa.org

Message-Id: <3.0.32.19980119190741.006f6cb4@mailman.ghgcorp.com>

To: Old Tube Radios <boatanchors@theporch.com>
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: looking for an RBA
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello all. Subject says it all - looking for an RBA in okay to good shape.
 Or other comparable LF BA receiver. An R-389 would be nice, but we all
know how scarce they are. Reply direct.

Thanks and 73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: BDHall@ghg.net, web: http://www.ghgcorp.com/bdhall.

"An ye harm none, do what ye will."

From: JIM_ALLEN@HP-Cupertino-om5.om.hp.com
Message-Id: <H000030e0b19a577@MHS>
Subject: A couple of wants
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII; name="cc:Mail"
Content-Disposition: inline; filename="cc:Mail"
Content-Transfer-Encoding: 7bit

I need a manual (copy fine) for an Ameco TX-86 transmitter. Also, anyone have info on if there is a matching power supply and VFO? Also looking for a mint/complete/original NC-33 (my first receiver). Need not function.

Thanks,

Jim

KQ6LB

From: "wayne.harrah" <wayne.harrah@MCIONE.com>
Subject: Re: New BA's in Titanic
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0EN20031NACKNM@PM02SM.PMM.MCI.NET>
MIME-version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-transfer-encoding: 7bit

Greetings All,

I apologize if this thread is too old, but, with a three year old daughter, I am about a month behind (almost 600 unread messages!).

I just went to the Titanic (AWA) sites listed by John, below. I gotta tell you, listening to this recreation makes me feel like I am standing watch in 1912. I can only begin to know what it must have felt like hearing that message (or sending it!) firsthand.

Our predecessors have left us quite a legacy, and thru the efforts of those involved with preserving history (whether it be movie making, history archiving and book writing, or just resurrection of these old soldiers of the RF), we will have something to pass to my young daughter and those that follow her: A window into what transpired so long, long ago.

I want to thank John, and all of the AWA for it's efforts to preserve

history. (My spine is still tingling after listening to that message.....)
Now, where did I put my checkbook?....

```
           |             Mailto:Wayne.Harrah@mciONE.com
          /O\            New disciple of all that glow,
\_______[|(.)|]_______/  and those People and 'magic' machines
  o   ++/  O  \++   o    which served this country so well.
```

> From: John Dilks <oldradio@worldnet.att.net>
> To: Old Tube Radios <boatanchors@theporch.com>
> Subject: Re: New BA's in Titanic
> Date: Tuesday, January 06, 1998 5:34 AM
>
> Ho4bart wrote:
> >
> > it would also be great if some folk with remaining spark xmtrs
> > could replicate the radio traffic and record it too.
> > hue

> John Belrose has replicated some of Fessiden's early spark and voice
> transmissions.

> http://www.ggw.org/awa/page_2/index.htm -- Belrose + Fessenden
>
> http://www.ggw.org/awa/#H -- Titanic Message
>
> and below......
> --
> 73' John Dilks, K2TQN
>
> Webmaster for the Antique Wireless Association
> http://www.ggw.org/awa Click on "Page 2"
> -=and=-
> for the New Jersey Antique Radio Club
> http://www.eht.com/oldradio
> -----------------please-visit--------------------

From: W0EOM <W0EOM@aol.com>
Message-ID: <3f3154cd.34c419eb@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cunningham
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

To the gang; A little more could be said about Elmer T. Cunningham [a San Francisco boy] and his vacuum tube business. In 1915, deForest was selling his spherical Audion and control box for $18.00, a bit pricey for amateurs and experimenters. There was very little competition. Cunningham began selling a tubular triode, called the Audiotron, for $7.50, which was made in Oakland, CA. deForest soon responded with the Type T Audion, tubular, for $5.50. this was a single triode Cunningham then lowered the price for his double filament triode to $5.25. These are both now quite collectable tubes.

As soon as RCA was formed in Oct 1919 [to force Marconi out of the US] they sued Cunningham for patent infringement. It has never been clear what leverage he had over RCA, but E T settled out of court, and received the right to a portion of RCA's tube production, marked with his brand. This lasted until 1925.
Ref.: Saga of the Vacuum Tube, by Gerald Tyne. who I met at an AWA convention years ago.

73, Will

From: Brian Bjerkelund <brianbj@compuserve.com>
Subject: BA Microphone
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199801192228_MC2-2FE9-DC60@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hi Gang:

I'm trying to resurrect my old Argonne AR-57 "pivoting cucumber" mic. If=
 I
recall, it was a crystal type, but is now (40 years later) a dead player.=
 =

It uses two(!) cartridges, one above, one below, facing each other. The
cartridges are 2-inches in diameter, round. =

Does anyone have any advice/sources for replacement cartridges I can adap=
t
which would have the proper freq response and impedance characteristics f=
or
our beloved BAs?

Thanks & 73,

Brian, KC7ZDA.....soon to be K7AIS again!!
brianbj@compuserve.com

Message-ID: <34C444B2.39F5@digizen.net>
From: Charles Kadesch <chas@digizen.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: National PW Dial
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need advice on how to remove a PW dial assembly from the
capacitor gearbox. Thanks/73.
Chas W3KC
chas@digizen.net

From: "Larry Johnson" <k5yf@wt.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: Panel Lettering
Message-ID: <01bd2560$85387600$2c8dd3d0@k5yf.wt.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There is actually a font that has rounded ends. I was comparing it to my
Rapidiograph lettering set some time ago. For those that don't know,
Rapidiograph was the maker of fine drafting pens and also made a lettering
set like Leroy (and it got me through college with all the geologic maps I
had to draw). The font is Arial Rounded MT Bold. Lower case letters aren't
exactly like Leroy, some of the characters such as h, n, m, etc. that have
curves coming off vertical strokes show a small taper to the curve whereas
the Leroy, the strokes are all the same width. However, the upper case
characters are pretty much dead on, and all have the rounded ends typical of
Rapidiograph pens.

Larry Johnson, K5YF
Houston, TX
e-mail: k5yf@wt.net

>Note that much lettering on older equipment was made from master
>drawings that were done with the Leroy lettering set. The tell-tale
>clue is the round ends of each stroke. Once you see Leroy lettering,
>you will recognize it from then on.

Message-Id: <199801200458.UAA16653@mail1.sirius.com>
From: "Arden Allen" <aallen@sirius.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Cunningham tube, was: Re: Looking for S-38B parts
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Howdy Ben;

> the other is a Cunningham 35Z5GT. I've never
> seen a Cunningham tube before.......

Iv'e seen lots of Cunningham 26's, 27's, 30's and the like, but never a 35Z5. The 35Z5 goes back to before 1940 as it's in RC-14 (1940). You might have an oldie there. When did Cunnigham get absorbed by RCA and when did the Cunnigham name get squelched,........anyone?

Give your loved ones Gummy Bears.
Arden Allen KB6NAX Vallejo, CA aallen@sirius.com

Message-Id: <199801200852.JAA15391@inet.uni2.dk>
From: "Ragnar Otterstad" <danmec@inet.uni-c.dk>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re:RBZ - What is it ?
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I am starting to clean up my basement in preparation forn retirement and return to my native Norway in 1999.
In a plastic bag I found a RBZ receiver, which I did not remember I had and cannot
remember how I got it.

Can somebody in USA please shed some light on this radio for me, as it looks as if it is made there.

Thanks

73 Rag

Rag Otterstad OZ8RO Copenhagen suburb: Birkerod
Also JW5HE LA5HE. Previously held : G5BHQ HB9XCG

Collector of W.W.2 German military radio sets, clandestine sets all
periods, cipher equipment.

Adress: Hosterkobvej 10. DK 3460 Birkerod, Denmark

Tel : ++45-4281 5205 evenings. ++45-4497 3366 daytime.

I work for MEC A/S, manufacturer of high quality and good looking
pushbutton switches.
If you are designing electronics equipment and have an interest in switches
please check the homepage at :
HTTP://WWW.MEC.DK

To know more about my ham radio background try my personal homepage :
HTTP://WWW.WEBSPAWNER.COM/USERS/OZ8RO/

Message-ID: <34C3FE5E.57B0@swbell.net>
From: Lenox Carruth <carruth@SWBELL.NET>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: WTB: EE-65-(*), TL-13A, I-166
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Date: Tue, 20 Jan 1998 06:41:00 -0800
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
To: chucks@pivot.net, boatanchors@theporch.com
Subject: KW-1 fire sale
Message-ID: <00122DCE.001914@svlima.sv.sc.philips.com>

Chuck,

Thank you for your reply.

As I recall, a KW-1 cost about $3200 when new. A Cosmophone 1000 cost about
$1600. About 150 KW-1 transmitters were built. Most of them sold. Exactly ten
Cosmophone 1000 transceivers were built. None sold. About half the KW-1's are
still around. My Cosmophone 1000 is the only one known to exist. Based on the
relative rarity of each rig, one might argue that my Cosmophone 1000 might be
worth more than a KW-1. Not that you offered, but I am not interested in
trading.

With KW-1's being advertised for $12-17K in the last two years, your minimum

entry bid of $25,000 is beyond me. While I believe in free enterprise, I am also a realist, so I'll pass and wish you luck.

73,

Brian Harris WA5UEK

Thanks for inquiring about the KW-1.
My Phone number is:
(207)923-3994
Please call me to discuss the details of the rig.
Accepting bids starting at $25,000. I am sorry that it is
such a high end price but if you are still interested
call me.
Chuck
WA1IIE

End of BOATANCHORS Digest 1884
